

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSPECTED OIL SUB REPORT abd

* Location Abandoned - well never drilled 9-22-82

DATE FILED 4-30-82

LAND FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO U-27030 INDIAN

DRILLING APPROVED 4-30-82

SPUDDED IN

COMPLETED PUT TO PRODUCING

INITIAL PRODUCTION

GRAVITY API

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION 4346'

DATE ABANDONED LA 9-22-82

FIELD WILDCAT 3/86

UNIT

COUNTY EMERY

WELL NO GRUVER FEDERAL #1-15 API NO. 43-015-30104

LOCATION 500 FT FROM ~~XX~~(S) LINE 2110 FT FROM ~~X~~(W) LINE SE SW 14 - 1 4 SEC 15

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
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24S	16E	15	INCA OIL & GAS, INC.
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INCA OIL AND GAS, INC.
WRITER SQUARE OFFICE BUILDING, SUITE 970
1512 LARIMER STREET
DENVER, COLORADO 80202
(303) 893-1252

April 15, 1982

U.S. Geological Survey
Oil and Gas Division
1745 W. 1700 S., Suite 2000
Salt Lake City, Utah 84104

Attention: Ed Guynn

Dear Mr. Guynn:

Please find enclosed our Application to Drill, Ten Point Drilling Program and Multipoint Operations Plan for Inca Oil & Gas, Inc.'s Gruver Federal 1-22 and Gruver Federal 1-15 wells.

We plan to drill the first well in May, 1982 with the second to follow immediately.

If you have any questions concerning this well, please contact us at (303) 893-1252 in Denver.

Very truly yours,

INCA OIL & GAS, INC.


John S. McCatharn
Engineer

JMS/rv
Enclosures

cc: Oil & Gas Conservation Commission
BLM
USGS - Vernal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Inca Oil & Gas, Inc.

3. ADDRESS OF OPERATOR
 1512 Larimer St., Ste. 970, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2110 FWL and 500' FSL (SE $\frac{1}{4}$ SW $\frac{1}{4}$)
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 miles south of Green River

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 3160

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH 4600'

20. ROTARY OR CABLE TOOLS rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4346 GR

22. APPROX. DATE WORK WILL START*

5. LEASE DESIGNATION AND SERIAL NO.
 U-27030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 -

7. UNIT AGREEMENT NAME
 -

8. FARM OR LEASE NAME
 Gruver Federal

9. WELL NO.
 1-15

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 15, T24S-R16E

12. COUNTY OR PARISH 13. STATE
 Emery Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	36.0#	500	sufficient to reach surface
7 7/8"	5 1/2"	15.5#	4600	depends on productive zone

See Attached:
 Ten Point Drilling Program
 Multipoint Surface Use and Operations Plan

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 4/15/82
 BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. [Signature] TITLE Agent DATE 4/15/82
 (This space for Federal or State office use)

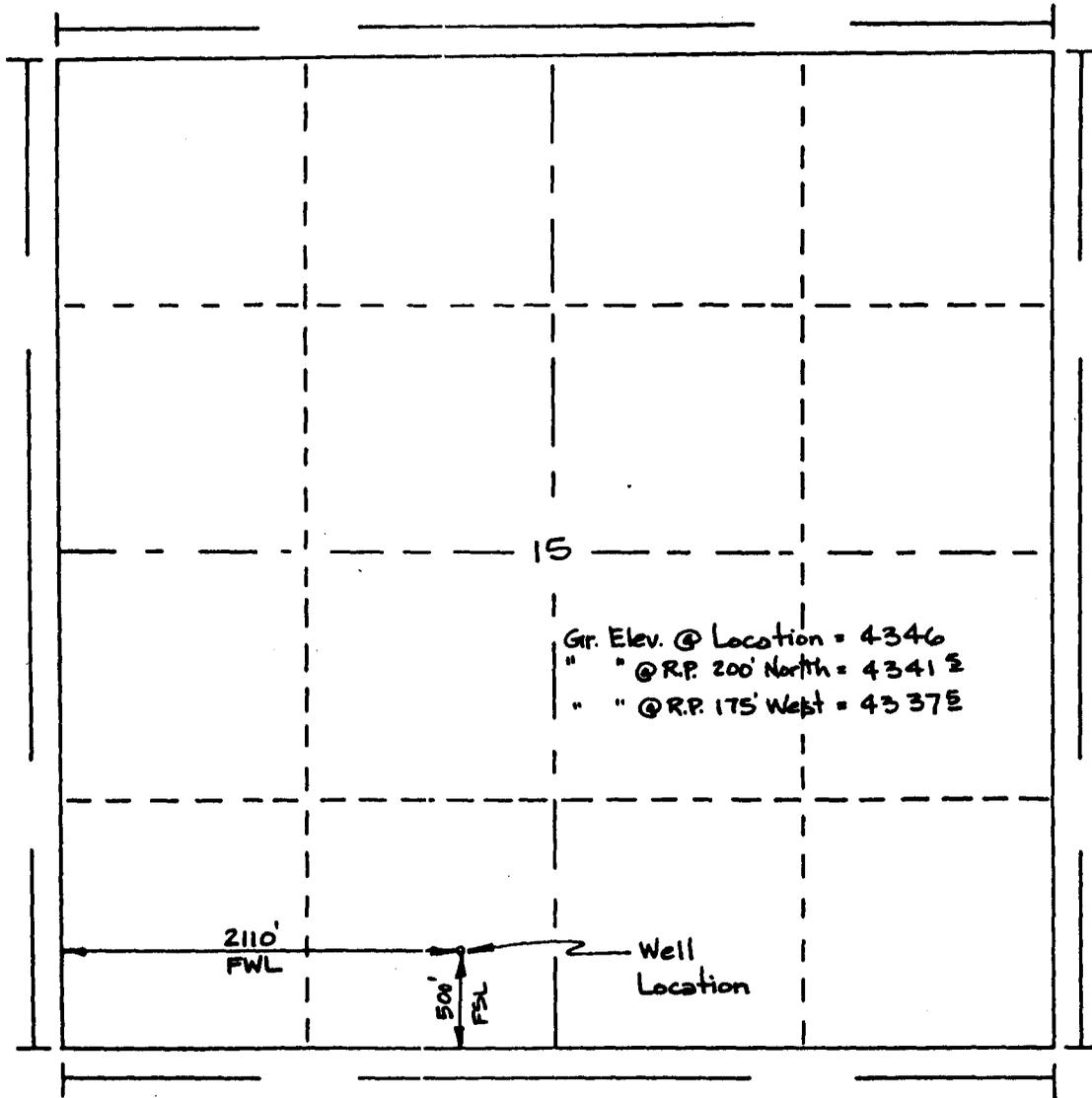
PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:



R. 16E



T. 24S



Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from JOHN McCATHRAN
 for INCA OIL & GAS INC.
 determined the location of 1-15 GRUVER FEDERAL
 to be 500' FSL & 2110' FWL of Section 15 Township 24 South
 Range 16 East of the SALT LAKE Meridian
 EMERY COUNTY, UTAH

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of

Date: APRIL 2, 1982

T. Nelson
 Licensed Land Surveyor No. 2711
 State of UTAH

Rotating Head no

Kill Line Size 2" x 3000 psi Valves 2" x 3000 psi Check

MANIFOLD

Size 2" Valves 2" Pressure 3000 psi

Positive Choke yes Adjustable Choke yes

Hydraulic Choke no

Power Operated Valve no

See Exhibit I attached for additional detail BOP Equipment will be installed

~~Prior to drilling out of surface casing, rams will be tested to 1000 psi with water.~~

6) DRILLING FLUIDS

<u>Interval</u>	<u>Type Fluid</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Remarks</u>
0' - 500'	Gel system	8.6 - 8.9	40-45	NC	
500' - 4600'	Gel-Lignite	8.9 - 9.1	35-40	10-12	Mud weights to 9.8 if water flow encountered

Possible Sub Normal Pressured Zones None expected

Possible Abnormal Pressured Zones Possible Navajo water flow.

7) AUXILIARY EQUIPMENT

Upper Kelly Cock yes

Lower Kelly Cock no

Floor Valve DP yes

Floor Valve DC yes

Float in DC no

Inside BOP (Dart Valve) no

ADDITIONAL DETECTION EQUIPMENT & SERVICE

Mud Logging Unit	below surface pipe
Pit Volume Totalizer	no
Flow Line Sensor	no
Flow Line Temperature	no
Sour Gas Detector	no
Pump Stroke Counter	yes
Degasser	yes
Mud Gas Separator	no
Drilling Data Unit	no
Other	none

8) EVALUATION

A) Testing

Possible core in the Honaker Trail.
No DST's planned.

B) Logging

<u>Depth</u>	<u>Electric Wireline Logs</u>	<u>Interval</u>
TD	Sonic - GR CNL-FDC-GR SP-electric-caliper	TD to base of surface pipe

C) Coring

<u>Formation</u>	<u>Type Core</u>	<u>Analysis</u>
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9) DRILLING HAZARDS

Possible water flow in Navajo sand requiring a mud weight-up.

10) Starting Date June 15, 1982 _____

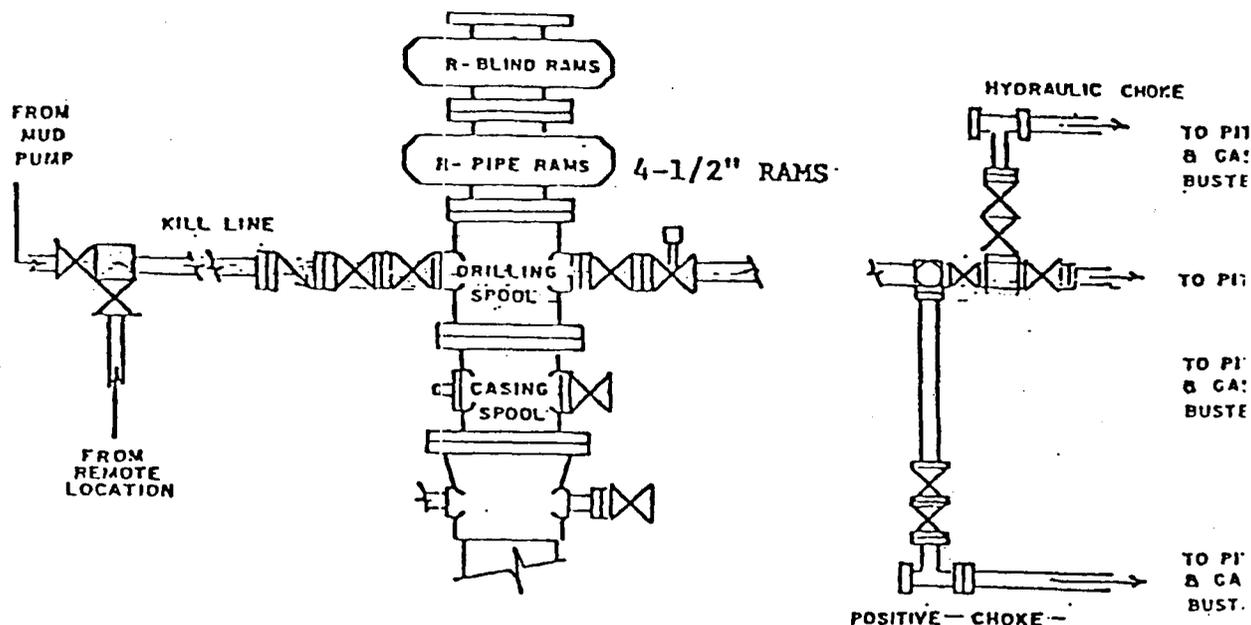
Duration: 27 days

Drilling Program prepared by:


John McCatharn
Engineer

(EXHIBIT 1) 3000 psi

Working Pressure BOP's



Note: Pipe rams to be operated daily. Blind rams to be operated each trip.

Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
 - a) inside blowout preventer
 - b) lower kelly cock
 - c) upper kelly cock
 - d) stand pipe valve
 - e) lines to mud pump
 - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

Inca Oil & Gas, Inc.

Multipoint Surface Use and Operation Plan
Gruver Federal 1-15
Section 15, Township 24 South, Range 16 East
Emery County, Utah

1) EXISTING ROADS

Directions are:

Road access from Jct. Hwys Utah 95 and Utah 24 (Hanksville, Utah) to locations, Inca Oil & Gas, Inc. Gruver Federal 1-15.

Beginning at Jct. 95 and 24;

go north on 24 for 15.9 miles (pt A) and turn right onto dirt road;

go 2.0 miles (pt B) and turn right onto dirt road;

go 8.6 miles (pt C) on dirt road to intersection fork and stay right;

go 12.9 miles (pt D) to intersection and sign post - take left to Horseshoe Canyon;

go 5.1 miles (pt E) to intersection and continue straight on main road;

go 5.3 miles (pt F) to trail and continue straight on main road;

go 3.8 miles (pt G) to fork in road and take left (main road);

go 7.7 miles (pt I) to access to 1-15 Gruver on left (\pm 300 feet).

A check by Mervin Miles of the BLM indicates that the roads used are all county roads. The county road runs through our lease and the well location border on the road so no new roads will be needed.

The existing road should not require upgrading to use. See topo "Map" A.

2) PLANNED ACCESS ROAD

No new road will be required.

3) LOCATION OF EXISTING WELLS WITHIN A 2 MILE RADIUS

1. Water Wells - None known
2. Abandoned Wells - Roy Pledger Ruby #1 - SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec.15, T24S-R16E
3. Temporarily abandoned wells - None
4. Disposal wells - None
5. Drilling wells - None
6. Producing wells - None
7. Shut-in wells - None
8. Injection wells - None
9. Monitoring or observation wells - None

Onsite inspection field comments:

4) LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES

At the present time, there are no Inca Oil & Gas batteries, production facilities, oil gathering lines, gas gathering lines, injection or disposal lines within a one mile radius.

In the event that production of this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with the native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Items #7 and #10 and these requirements and standards adhered to.

If production facilities are necessary, these facilities will be constructed as shown in Figure 1.

Onsite Inspection Field Comments:

5) LOCATION AND TYPE OF WATER SUPPLY

Water will be pumped from a point on the San Rafael River approximately 3 miles north of the locations. The water line will be laid along the existing county road.

A state water permit for pumping has been applied for. See topo map B for route.

Onsite inspection field comments:

6) SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7) METHODS FOR HANDLING WASTE DISPOSAL

A reserve and burn pit will be constructed.

The reserve pit will be approximately 12' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store nonflammable materials such as cuttings, salts, drilling fluids, chemicals. A test tank will be used to contain produced fluids.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, domestic animals.

On the onset of drilling, this reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

The burn pit will be completely enclosed on all sides with a small mesh wire to prevent any flammable materials from escaping and creating a fire hazard.

All flammable materials will be burned and then buried upon completion of this well.

8) ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9) WELL SITE LAYOUT

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence. See attached Location Layout Sheet.

10) PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 5' of cover.

As mentioned in Item #7, the reserve pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then allowed to completely dry before covering.

Restoration activities shall begin as soon as possible after the reserve pit has dried up, and will be completed without undue delay.

10) PLANS FOR RESTORATION OF SURFACE (Continued)

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the BLM when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner in strict conformity with the above mentioned Items #7 and #10.

11) OTHER INFORMATION

The drillsite is located in an area of moderate slope. The surface formation is the Entrada Sandstone. A detailed report on soils and vegetation is included in the attached archeological report. General use of the surface is grazing. No occupied dwellings are located nearby.

Onsite inspection field comments:

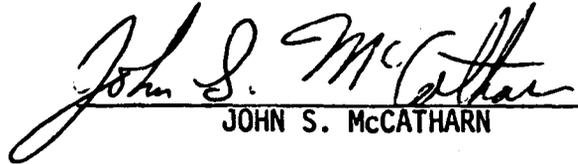
12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

John McCatharn

Inca Oil & Gas, Inc.
1512 Larimer, Writer Square
Office Building, Suite 970
Denver, Colorado 80202

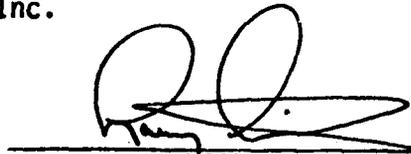
13) CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Inca Oil & Gas, Inc. and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.



JOHN S. McCATHARN

I hereby certify that John S. McCatharn as my agent, has prepared the drilling program, Application for Permit to Drill and supplemental information contained herein. I have reviewed this application and hereby acknowledge that the plans, terms and conditions outlined herein will be performed by Inca Oil & Gas, Inc.

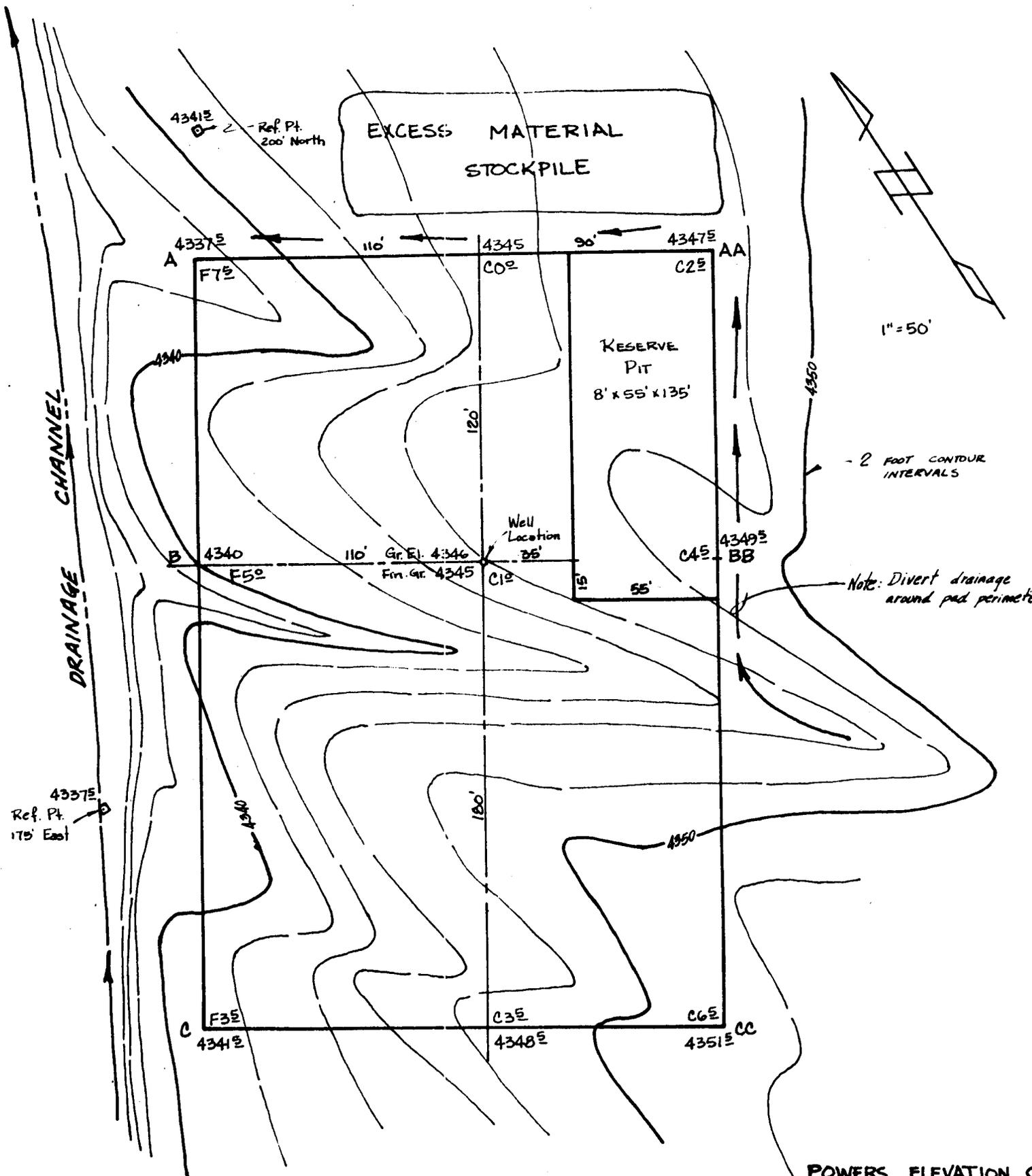


LARRY LYDICK

INCA OIL & GAS INC.

1-15 GRAYER FEDERAL
500' FSL }
2110' FWL } Sec 16-T24S-R16E

EMERY Co., UTAH



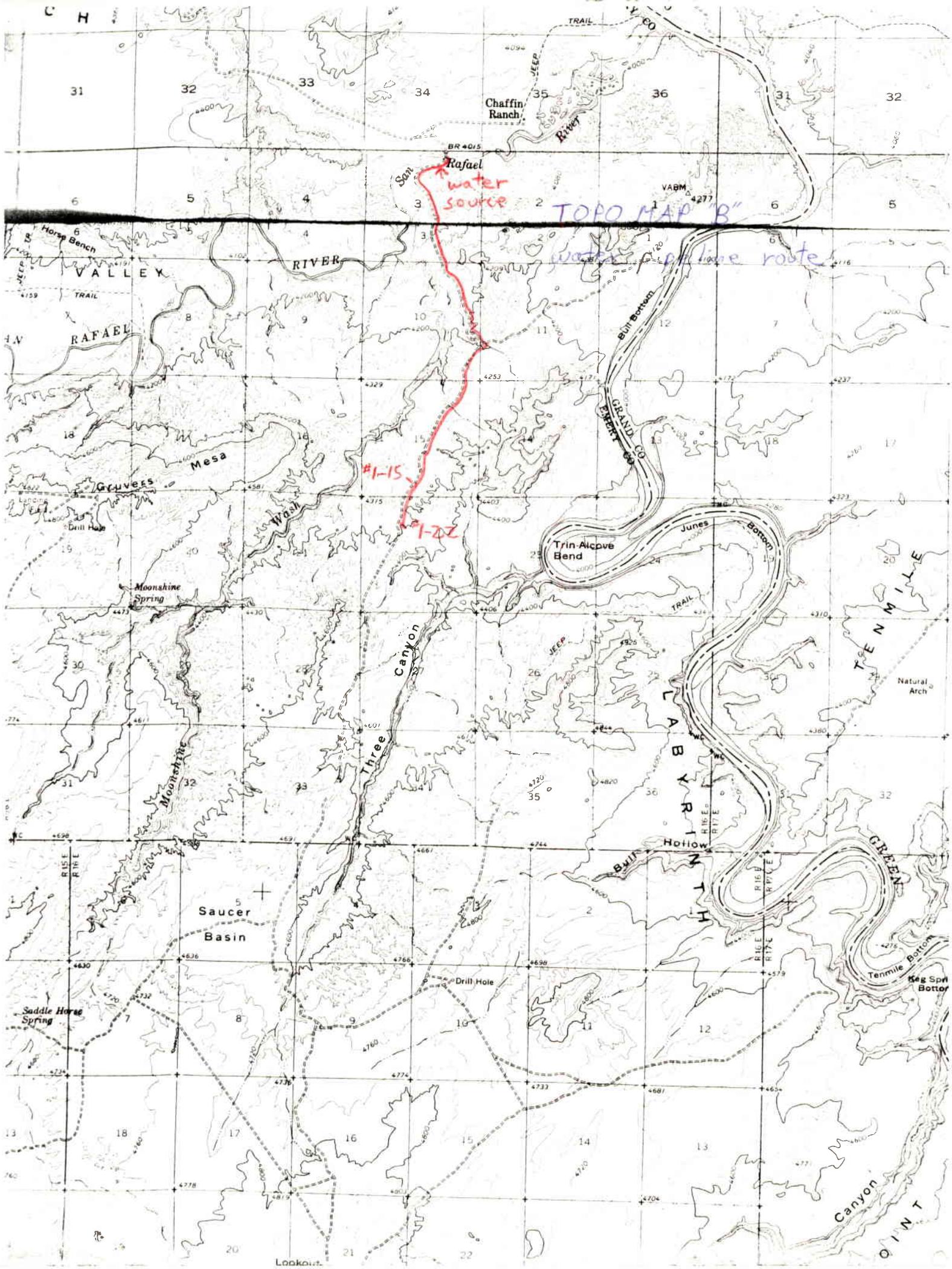
1" = 50'

- 2 FOOT CONTOUR INTERVALS

Note: Divert drainage around pad perimeter

prepared by: *Samuel Stegeman*
APRIL 2, 1982

POWERS ELEVATION C
RICHFIELD, UTAH



TOPO MAP "B"
water of horse route

Rafael
water
source

#1-15
#1-22

Saucer
Basin

Saddle Horse
Spring

Moonshine
Spring

Horse Bench
Valley

RAFAEL

Mesa

Moonshine
Canyon

Three
Canyon

Chaffin
Ranch

Trin-Ancove
Bend

Junes
Bottom

Hollow

Tennile
Bottom

Canyon

POINT

TEN MILE

Natural
Arch

GREEN

Meg Spl
Bottom

Canyon

POINT

6

8

18

19

30

31

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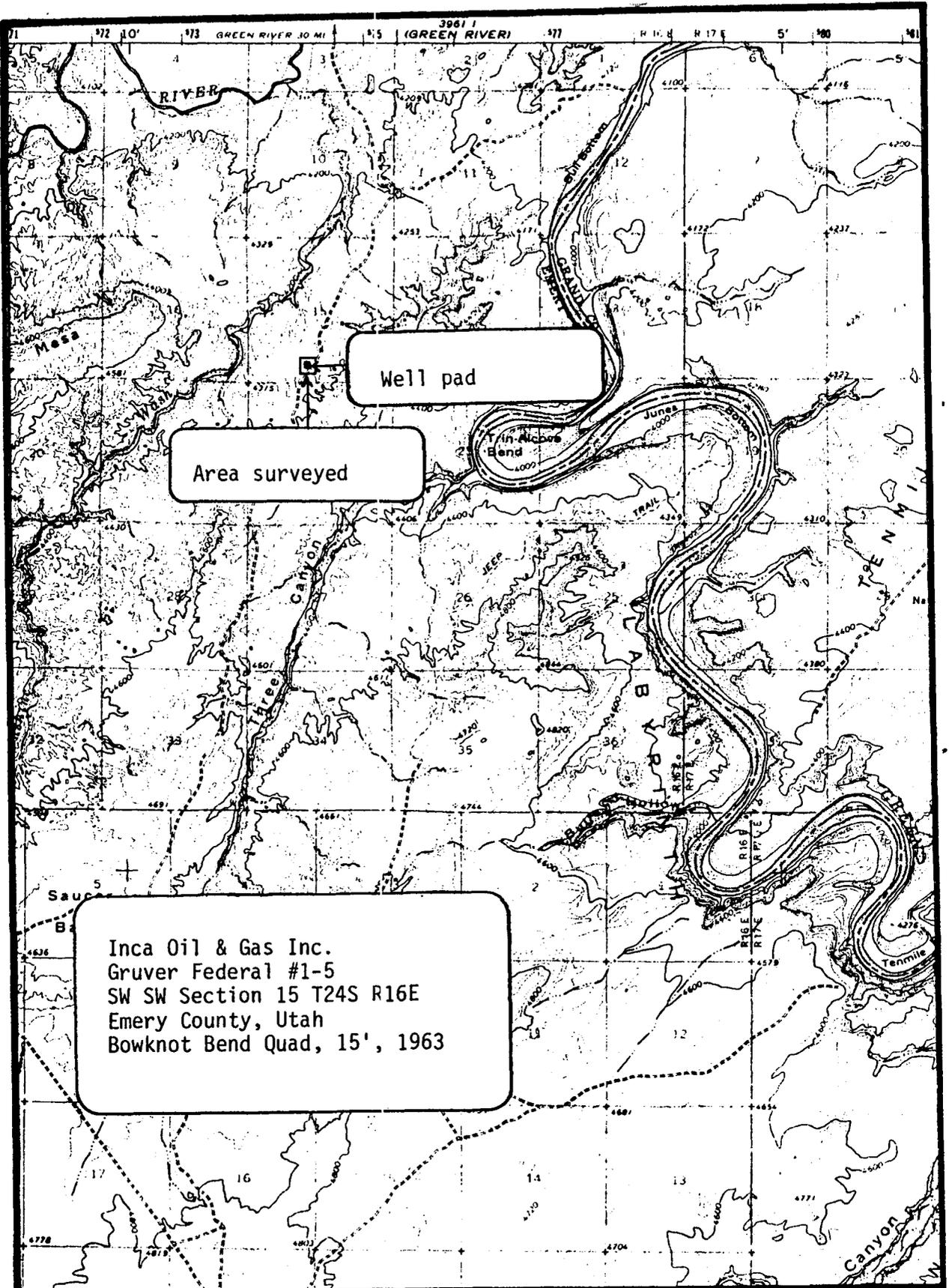
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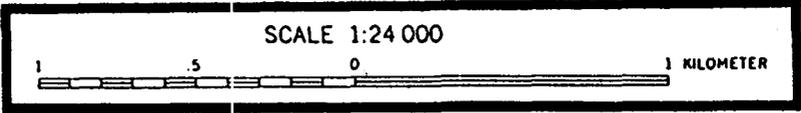
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Inca Oil & Gas Inc.
Gruver Federal #1-15
Continuation Page

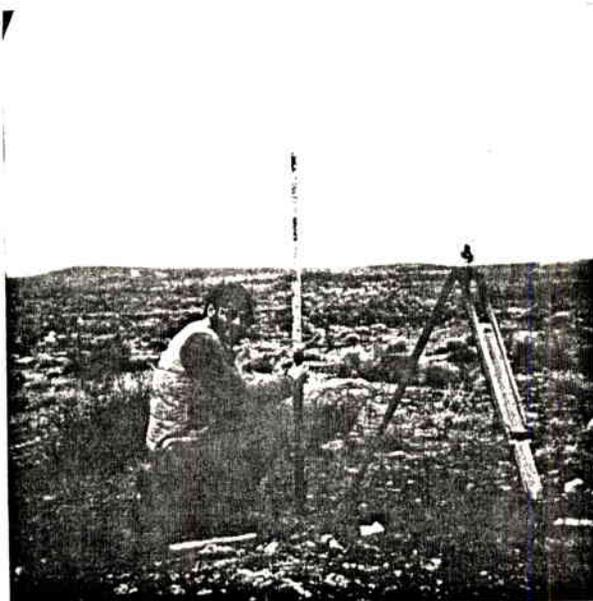
8. Description of Examination Procedures: A file search conducted April 1, 1982, at the San Rafael and Price River Resource Area, Bureau of Land Management in Price, Utah, revealed two previous seismic surveys crossing Section 15, but no sites have been recorded in this section. A file search conducted on March 25, 1982 by Janice Reed of the Division of State History, revealed no previously recorded sites or surveys for the project area.



Inca Oil & Gas Inc.
Gruver Federal #1-5
SW SW Section 15 T24S R16E
Emery County, Utah
Bowknot Bend Quad, 15', 1963

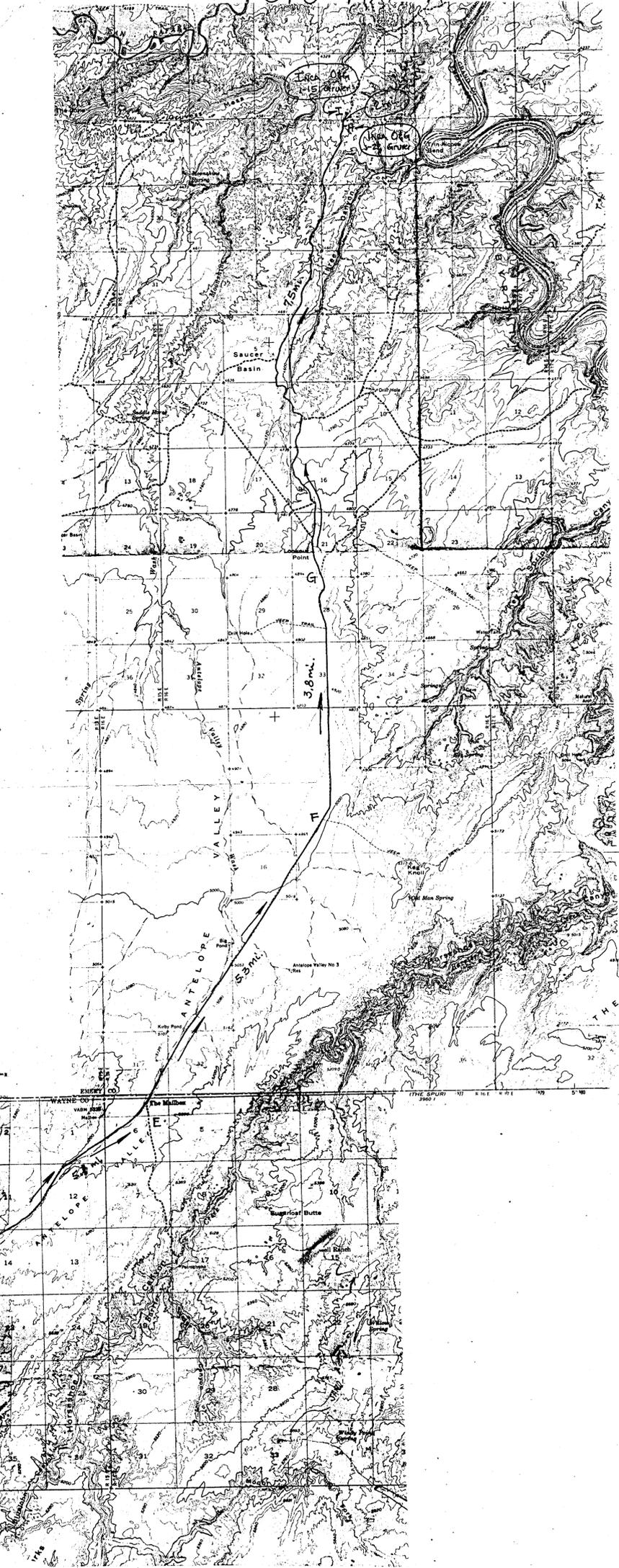
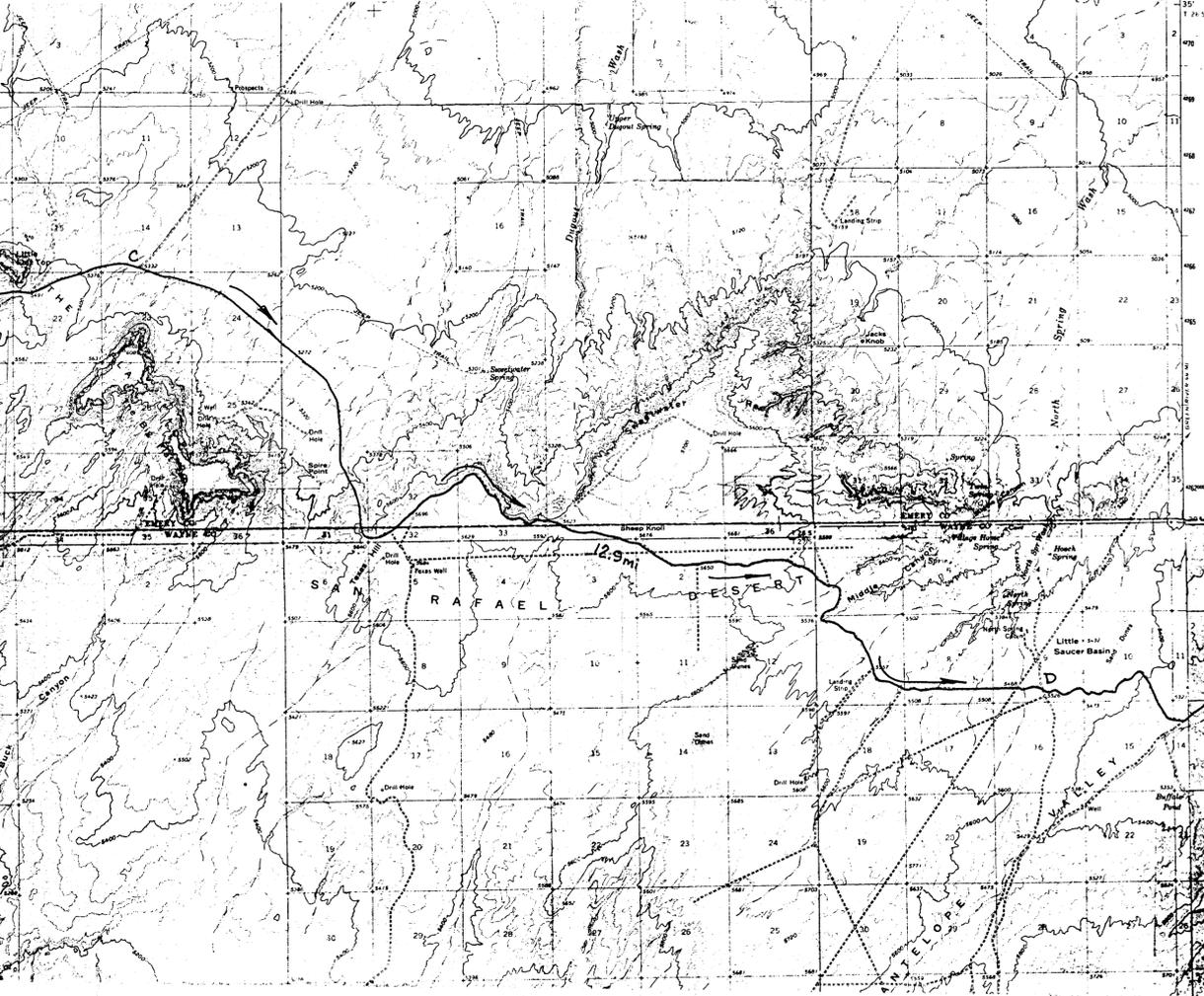
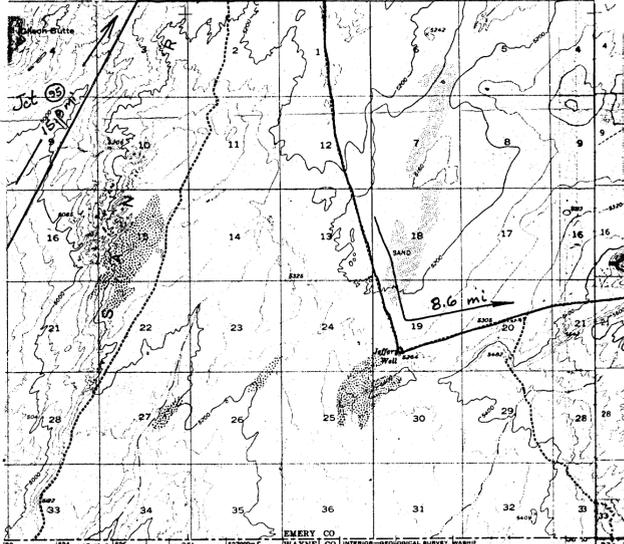
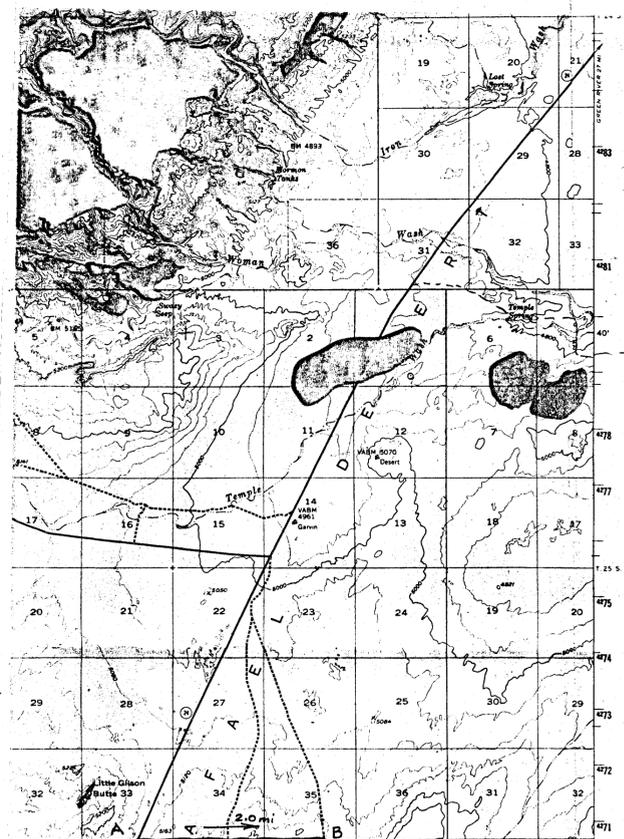


Inca Oil & Gas Inc.
Gruver Federal #1-15
SW SW Section 15 T24S R16E
Emery County, Utah



Looking northwest

TOPO MAP A



** FILE NOTATIONS **

DATE: 4-29-82

OPERATOR: Inca Oil & Gas, Inc

WELL NO: Shaw Federal 1-15

Location: Sec. 15 T. 24S R. 16E County: Emerg

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-015-30104

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per Rule C-3

Administrative Aide: OK as per Rule C-3

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Std.

Plotted on Map

Approval Letter Written

Hot Line

P.I.

April 30, 1982

Inca Oil & Gas Inc.
1512 Larimer St., Suite 970
Denver, Colorado 80202

RE: Well No. Gruver Federal 1-15
Sec. 15, T. 24S, R. 16E
Emery County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-015-30104.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Cleon B. Feight
Director

CBF/as
Encl.
cc: Minerals Management Service

Man

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

September 9, 1982

Inca Oil & Gas Company, Inc.
1512 Larimer Street - Suite 970
Denver, Colorado 80202

Re: Application for Permit to Drill
Well No. 1-15
Section 15-T24S-R16E
Emery County, Utah
Lease No. U-27033

Gentlemen:

The referenced Application for Permit to Drill was received in this office on April 23, 1982.

We are returning your application unapproved, per your letter dated September 3, 1982. If you again desire to drill at this location, a new complete package must be submitted.

If you have any questions, please feel free to call.

Sincerely,

E. W. Guynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
State BLM
ES-George Diwachak
Well File
APD Control

DH/dh

September 22, 1982

Inca Oil and Gas Company, Inc.
1512 Larimer Street, Suite 970
Denver, Colorado 80202

RE: Well No. Gruver Federal 1-15
Sec. 15, T.24S, R.16E
Emery County, Utah

Gentlemen:

Our records indicate the Application for Permit to Drill Well No. 1-15 has been returned by the Federal Oil and Gas Operations.

Under these circumstances, the State of Utah must rescind its approval to drill said well. This action is without prejudice, and should you choose to again make Federal application to drill the well in question, you may also re-file for State Approval.

Respectfully,


Norm Stout
Administrative Assistant

NS/as

cc: Minerals Management Service